

ARABESQUE ROLL OF HONOUR

Introduction

This document represents our best efforts to individually acknowledge those workers whose significant efforts have provided the data presented on this CD-ROM. However, there are two caveats. First, we cannot hope to know precisely every individual contribution in such a large international community as Arabesque. Secondly, we are only human and can make mistakes as easily as anyone else. So, if you find your name is missing from where it deserves to be, please do not take offence and accept our sincere apologies.

The acknowledgements are presented using the same logical structure as the data on the CD-ROM with the following data categories:

Underway Data Set

UOR Data Set

The Arabesque Database

All data on this CD-ROM will have entered the public domain by the time this CD-ROM is published. However, it is still necessary to acknowledge the source of any data used in subsequent publications just as if the CD-ROM were a journal.

Sufficient information has been provided in this document, in the data documentation and as originator codes tagged to the data for the originators to be identified. It is suggested that data be acknowledged by reference to the originator (e.g. Burkill, 1998) with the CD-ROM cited as Arabesque Data Set, CD-ROM electronic publication, British Oceanographic Data Centre, Birkenhead, 1998.'

Underway Data Set

Discovery cruises DI210 and DI212

The underway systems operation and initial data processing were undertaken by Research Vessel Services personnel on board ship. The technical personnel were **Bill Miller, Jeff Jones, Chris Rymer, John Wynar, Dave Dunster** and **Stirling Jordan**. The computer operators were **Howie Anderson** and **Paul Duncan**. The remaining data processing and calibrations were done by BODC.



UOR Data Set

Several hundred profiles taken using the Undulating Oceanographic Recorder (UOR) are included here. They were collected by **Jim Aiken** and **Matt Pinkerton** of the Plymouth Marine Laboratory, UK.

The Arabesque Database

The acknowledgements have been split into the following groupings:

CTD and Light Data

Air and Water Sample Data

Rate Measurements

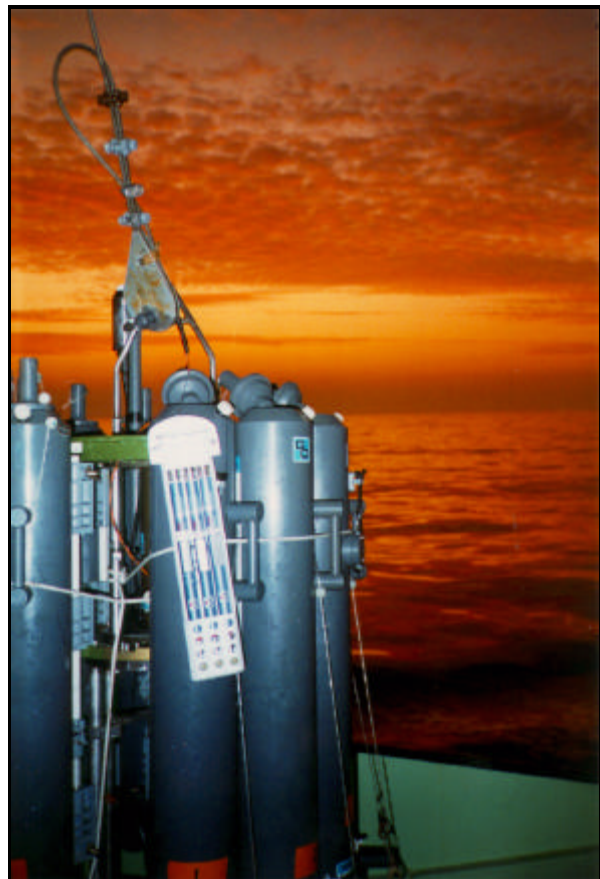
CTD and Light Meter Profiles

The Arabesque database contains nearly 300 CTD profiles collected during 2 cruise legs. Many people contributed behind the scenes to the collection of these data. Where these are known they are listed, but in some cases all we know is who supplied the data to BODC.

CTD operations and initial data processing were undertaken by Research Vessel Services personnel on board ship. The CTD operators were **Bill Miller**, **Chris Rymer**, **John Wynar** and **Dave Dunster**. The computer operators were **Howie Anderson** and **Paul Duncan**. The remaining data processing and calibrations were done by BODC.

Light Profile Data

The light profile data were collected by **Matt Pinkerton**, **Chuck Trees** and **Jim Aiken**. This group also looked after instrument calibration and data processing.



Air and Water Sample Data

Bacterial Production, Abundance and Characteristics

Alan Pomroy and **Ian Joint** from Plymouth Marine Laboratory, UK, determined bacterial abundance and production.

Thomas Weisse, Max Planck Institute, Ploen, Germany, determined bacterial losses through grazing.

Dissolved Organic Carbon

Dissolved organic carbon was determined by **Axel Miller** and **Pepe Alvarez-Salgado** working at the Plymouth Marine Laboratory, UK.

Dissolved Total Nitrogen

Axel Miller and **Pepe Alvarez-Salgado** working at the Plymouth Marine Laboratory, UK, determined dissolved total nitrogen using HTCO.

Particulate Organic Carbon, Inorganic Nitrogen

Bob Head and **Tim Fileman** from the Plymouth Marine Laboratory, UK.

Nutrients

Nutrients were measured by **Malcolm Woodward** of PML:

Carbonate System Parameters

Carbonate system parameters were determined by **Susan Knox** and **Roger Ling** of the Plymouth Marine Laboratory, UK.

Pigments

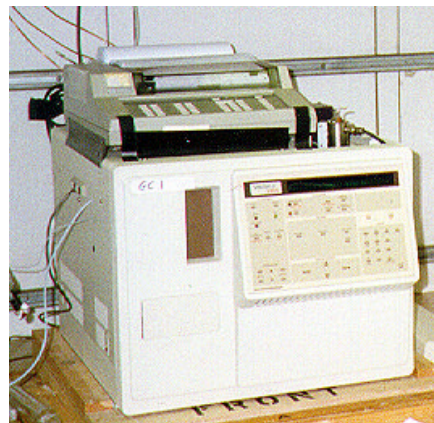
Pigments were determined by the following workers:

Ray Barlow, Fauzi Mantoura, Denise Cummings and Stuart Gibb from the Plymouth Marine Laboratory, UK.

Dimethylsulphide and its Precursors

Dimethylsulphide and its precursors DMSP and DMSO were determined by the following workers:

Angela Hatton from the University of East Anglia, UK.



Methane

Dissolved and atmospheric methane data were collected by **Jon Barnes, Rob Upstill-Goddard** and **Nick Owens** of the University of Newcastle-upon-Tyne, UK.

Atmospheric Ammonia and Methylamines and Dissolved Methylamines

These parameters were determined by **Stuart Gibb** from the Plymouth Marine Laboratory, UK.

Dissolved Oxygen

Dissolved oxygen determinations by Winkler titration were made by **Jo Dickson** and **Carol Robinson** of the Plymouth Marine Laboratory, UK during Arabesque.

Dissolved Tracers (SF₆)

Determinations were made by **Cliff Law** of the Plymouth Marine Laboratory, UK

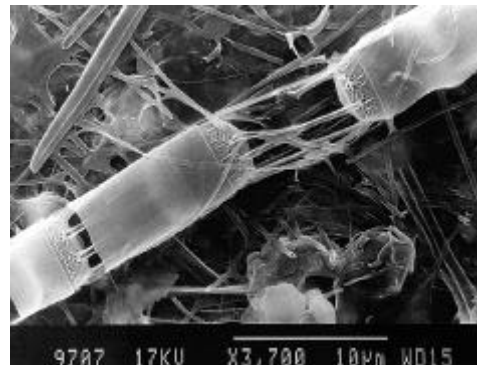


Microzooplankton Biomass and Grazing

Microzooplankton abundance, biomass and grazing together with data on heterotrophic and photosynthetic nanoflagellates were provided by **Peter Burkill, Elaine Edwards** and **Claire Stelfox** from the Plymouth Marine Laboratory, UK.

Phytoplankton Species Counts

Phytoplankton species counts were provided by **Derek Harbour** from the Plymouth Marine Laboratory, UK.



Rate Measurements



The term 'rate measurement' in the context of the Arabesque data set includes a range of experiments that determined the uptake of radioactive isotopes from the dissolved phase into the particulate phase.

Jo Dickson and **Carol Robinson** from the Plymouth Marine Laboratory, UK, determined oxygen and dissolved inorganic carbon production and respiration from *in-situ* and on-deck 24-hour incubation experiments.